

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in the present application.

Listing of Claims:

Claims 1-6 (canceled).

1 ~~7~~ (currently amended). A method to increase production of at least one Th1 cytokine or to decrease production of at least one Th2 cytokine, comprising in an individual free of infection with an immunodeficiency type retrovirus comprising administering to a human an effective amount of a peptide to increase production of at least one Th1 cytokine or to decrease production of at least one Th2 cytokine, said peptide consisting of the amino acid sequence Cys Lys Pro Ile Ser Gly His Asn Ser Leu Phe Trp Tyr Arg Gln Thr (SEQ ID NO:1), and which human to an human individual is free of infection with an immunodeficiency-type retrovirus in an amount sufficient to increase production of at least one Th1 cytokine or decrease production of at least one Th2 cytokine.

Claims 8-23 (canceled).

2 ~~24~~ (previously presented). The method according to claim ~~7~~ in which the Th1 cytokine is selected from the group consisting of interleukin 2 and interferon- $\gamma$ .

3 ~~25~~ (currently amended). The method according to claim ~~7~~ in which the Th2 cytokine is selected from the group consisting of interleukin-4, interleukin 5, interleukin 6, and interleukin 10 and immunoglobulin G.

4 ~~26~~ (new). A method to increase production of at least one Th1 cytokine or to decrease production of immunoglobulin G, comprising administering to a human an effective amount of a peptide to increase production of at least one Th1 cytokine or to decrease

Amended  
claims  
12/20/15  
02/03/17  
J

production of immunoglobulin G, said peptide consisting of the amino acid sequence Cys Lys Pro Ile Ser Gly His Asn Ser Leu Phe Trp Tyr Arg Gln Thr (SEQ ID NO:1), and which human is free of infection with an immunodeficiency-type retrovirus.